

AMENDMENTS TO THE CLAIMS:

Please amend the claims with the ones provided in the listing below wherein status and amendments are indicated.

CLAIMS

1. (currently amended): An adjustable stepless hinge shaft ~~comprised of~~ comprising:

a male shaft tube ~~consisting of~~ comprising:

a rod member;

a tubular hinge shaft disposed at one extremity of ~~the~~ said rod member;

a mounting section disposed at the opposite extremity of ~~the~~ said rod member;

a female shaft tube ~~consisting of~~ comprising:

a tubular sleeve conjoined to ~~the~~ said tubular hinge shaft;

a mounting section at one extremity of ~~the~~ said tubular sleeve;

an adjustment rod that is fastened and sleeve coupled into ~~the~~ said male shaft tube tubular hinge shaft; the features of which are:

~~the~~ said male shaft tube further includes:

a flange formed along the surface of ~~the~~ said tubular hinge shaft;

a tapered hole section at one extremity of ~~the~~ said tubular hinge shaft;

a threaded hole section at the opposite extremity of ~~the~~ said tubular hinge shaft;

one or more lengthwise channel on ~~the~~ said tubular hinge shaft;

~~the~~ said female shaft tube further includes:

a columnar bore in ~~the~~ said tubular sleeve;

an annular groove near the entrance of ~~the~~ said columnar bore;

~~the~~ said adjustment rod further includes:

a tapered rod;

a threaded stud at one extremity of ~~the~~ said tapered rod;

a round projecting edge at the proximal end of ~~the~~ said threaded stud;

a columnar passage in ~~the~~ said tapered rod; and

a slot through ~~the~~ said tapered rod, ~~the~~ said threaded stud and ~~the~~ said round projecting edge that is thereby articulated along the entire supportive rod component.

2. (currently amended): ~~As mentioned in Claim 1 of the~~ The adjustable stepless hinge shaft of claim 1, wherein invention herein, ~~the~~ said round projecting edge on ~~the~~ said adjustment rod includes a two-sided parallel, square, or polygonal head; or a hexagonal, square or pentagonal socket in the end surface of its circular head.

3. (currently amended): ~~As mentioned in Claim 1 of the~~ The adjustable stepless hinge shaft invention herein of claim 1, the present invention further includes:

~~the~~ said male shaft tube tubular hinge shaft has having a tapered tubular aspect

at its outer end that is of a larger diameter;

the said female shaft tube tubular sleeve has having a through-hole formed at the

bottom portion of its said columnar bore;

the said adjustment rod lacks the lacking said round projecting edge at its

proximal end, but instead has the having said hexagonal, pentagonal, or square

socket or two-sided parallel head disposed at the proximal end of its tapered rod.

4. (currently amended): ~~As mentioned in Claim 1 and Claim 3 of the~~ The adjustable stepless hinge shaft of claim 1 or claim 3, wherein invention herein, the present invention includes a plurality of annular oil grooves are formed along the surface of the said male shaft tube tubular hinge shaft.